

WHAT IS CLAIMED IS:

1. An image processing apparatus for converting image sensing data obtained by image sensing means into a visualizable image signal by using an image reproduction parameter, comprising:

designating means for designating a condition of selection of the image sensing data;

selecting means for selecting image sensing data
meeting the selection condition designated by said
10 designating means from the image sensing data stored in
storage means;

holding means for holding the image sensing data
selected by said selecting means;

15 setting means for setting the image reproduction
parameter on the basis of the image sensing data held by
said holding means; and

converting means for converting the image sensing data held by said holding means into the image signal by using the image reproduction parameter set by said setting means.

2. The apparatus according to claim 1, wherein said setting means sets the image reproduction parameter on the basis of a plurality of image sensing data meeting

the selection condition and held in said holding means.

3. The apparatus according to claim 1, wherein the selection condition is a predetermined color temperature range.

5 4. The apparatus according to claim 1, wherein the selection condition is a composition of an object.

5. The apparatus according to claim 4, further comprising simple reproducing means for simply reproducing image sensing data to check the composition
10 of an object recorded in the image sensing data.

6. The apparatus according to claim 1, wherein the selection condition includes at least one of a photographing time, a photographing date, a photographing place, a photographing mode, an EV value,
15 a shutter speed, an aperture value, an object distance, the use/nonuse of an electronic flash, and the use/nonuse of an optical filter.

7. The apparatus according to claim 1, wherein image sensing data selected on the basis of the selection
20 condition is image sensing data for forming a synthetic image.

8. The apparatus according to claim 7, wherein said selecting means selects the image sensing data for

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forming a synthetic image on the basis of information added to the image sensing data.

9. An image processing method for converting image sensing data obtained by image sensing means into a visualizable image signal by using an image reproduction parameter, comprising:

the designation step of designating a condition of selection of the image sensing data;

the selection step of selecting image sensing data meeting the selection condition designated in the designation step from the image sensing data stored in storage means, and causing holding means to hold the selected image sensing data;

the setting step of setting the image reproduction parameter on the basis of the image sensing data held by said holding means; and

the conversion step of converting the image sensing data held by said holding means into the image signal by using the image reproduction parameter set in the setting step.

10. An image processing apparatus for converting image sensing data obtained by image sensing means into a visualizable image signal by using a plurality of

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different image reproduction parameters, comprising:

setting means for setting at least one of the
different image reproduction parameters; and

converting means for converting the image sensing
5 data into the image signal by using the image
reproduction parameter set by said setting means,

wherein said setting means sets said at least one
parameter on the basis of another one of the different
image reproduction parameters.

10 11. The apparatus according to claim 10, wherein said
setting means sets a conversion function of converting
complementary color data into pure color data on the
basis of a white balance coefficient.

12. The apparatus according to claim 11, wherein said
15 setting means comprises storage means for storing a
reference function of the conversion function and sets
the conversion function by changing the reference
function in accordance with the white balance
coefficient.

20 13. The apparatus according to claim 11, wherein said
setting means sets the conversion function by selecting
one of conversion functions in storage means in
accordance with the white balance coefficient.

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14. The apparatus according to claim 10, further comprising:

detecting means for detecting light source information of a photographing light source; and

5 determining means for determining a white balance coefficient in accordance with the detection result obtained by said detecting means,

wherein said setting means sets the image reproduction parameter by selecting one of image reproduction parameters in storage means in accordance with the white balance coefficient determined by said determining means.

15 15. The apparatus according to claim 14, wherein the image reproduction parameter is a conversion function of converting complementary color data into pure color data.

16. An image processing method for converting image sensing data obtained by image sensing means into a visualizable image signal by using a plurality of different image reproduction parameters, comprising:

20 the setting step of setting at least one of the different image reproduction parameters; and

the conversion step of converting the image sensing data into the image signal by using the image

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reproduction parameter set in the setting step,

wherein the setting step sets said at least one image reproduction parameter on the basis of another one of the image reproduction parameters.

5 17. An image processing apparatus comprising:

first input means for inputting an image signal;

second input means for inputting position

information indicating an arbitrary position of an image and image data in the position;

10 extracting means for extracting the image data in the position corresponding to the position information from the image signal input from said first input means;

setting means for setting an image processing parameter on the basis of the image data extracted by

15 said extracting means and the input image data from said second input means; and

processing means for processing the input image signal from said first input means by using the image processing parameter set by said setting means..

20 18. The apparatus according to claim 17, wherein said first input means inputs an image signal output from image sensing means.

19. The apparatus according to claim 17, wherein said

setting means sets an image processing parameter for converting the image data extracted by said extracting means into the image data input from said second input means.

5 20. The apparatus according to claim 17, wherein said processing means performs color balance processing by using the image processing parameter set by said setting means.

21. The apparatus according to claim 17, wherein said
10 processing means performs white balance processing when said setting means sets no image processing parameter.

22. An image processing method comprising:
the first input step of inputting an image signal;
the second input step of inputting position
15 information indicating an arbitrary position of an image and image data in the position;

the extraction step of extracting the image data in the position corresponding to the position information from the image signal input in the first input step;
20 the setting step of setting an image processing parameter on the basis of the image data extracted in the extraction step and the image data input in the second input step; and

